

Abstract of the Invention

The invention provides methods of forcing

5 recombination between polynucleotides. The methods can include the steps of, (a) generating a single strand of a first polynucleotide; (b) generating a single strand of a second polynucleotide, wherein the second polynucleotide is partially complementary to the first polynucleotide;

10 (c) fragmenting the single strand of the first polynucleotide to generate single stranded first polynucleotide fragments; (d) fragmenting the single strand of the second polynucleotide to generate single stranded second polynucleotide fragments; (e) annealing

15 the single stranded first polynucleotide fragments with the single stranded second polynucleotide fragments; and (f) extending the annealed polynucleotide fragments.